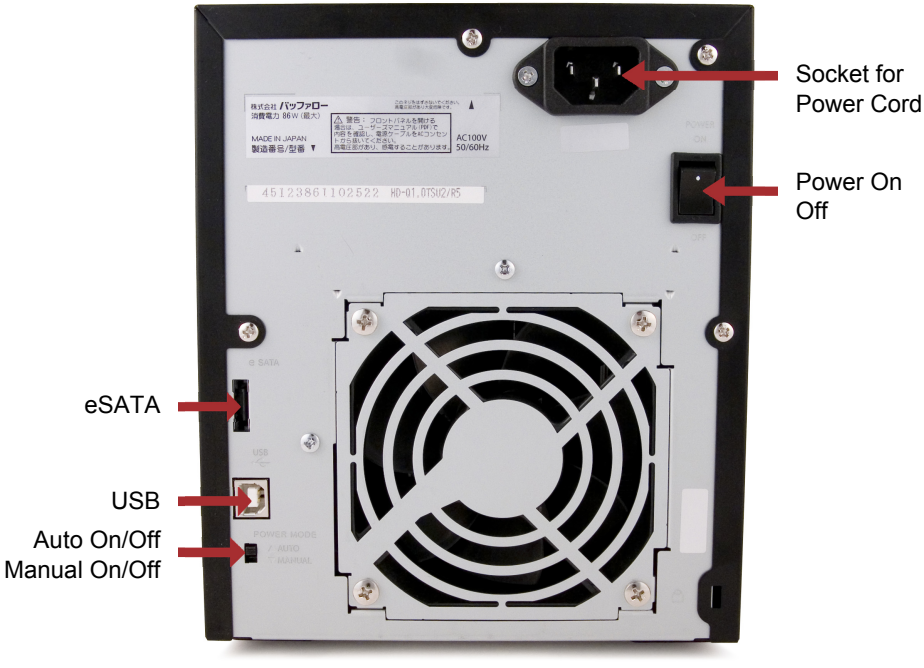
Mac User Guide

HD-QSTSU2/R5 DriveStation Quattro

BUFFALO™

Package contents:

- Main Unit (DriveStation)
- Power Cord
- USB Cable
- eSATA Cable
- eSATA Backplate
- DriveNavigator Installation CD
- User Guides

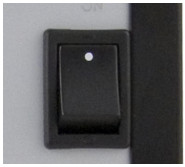


Note: Changing between RAID modes is done with the RAID Utility, included with the software on your DriveNavigator CD.

Flip the power switch on the back of the DriveStation to the OFF position. Plug DriveStation's power cord into the power socket as shown, as well as a power outlet or surge protector. Then, connect a USB or eSATA cable into a matching port on the back of the DriveStation.

Connect the USB or eSATA cable to your Mac or other device you are adding the DriveStation to.

Flip the power switch on the back of the DriveStation to the ON (“I”) position.



Your Mac will detect the new drive and place an icon on your desktop.

Your DriveStation is now ready for use! Double-click on the icon to open the hard drive.

By default, your Quattro is configured in RAID 0 mode. This gives you maximum usable capacity and performance, but no redundancy. If a drive fails, all data on the DriveStation is lost. If you're willing to trade some performance for better data security, Buffalo Technology recommends RAID 5 mode, with its excellent balance of security and total capacity. You may change your RAID configuration with the RAID Utility.

The DriveStation must be connected to your Mac with a USB cable while using the utility. You may switch to an eSATA connection for normal use after the utility has run.

The RAID Utility allows you to configure your DriveStation Quattro in several modes:

Normal Mode - Appears to your computer as four separate hard drives.

Spanning Mode - Appears to your computer as one large hard drive.

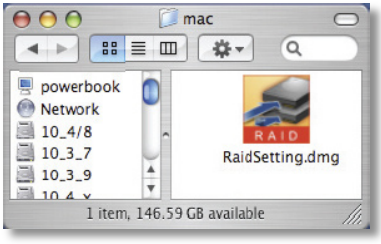
RAID 0 Mode - Appears to your computer as a single drive. Higher performance than Spanning mode.

RAID 1 Mode - Appears to your computer as a single drive. The third and fourth drives keep an exact copy of the first and second drives, for redundancy.

RAID 5 Mode - Appears to your computer as a single drive. Approximately 3/4 of your total space is usable, yet you still have full redundancy.

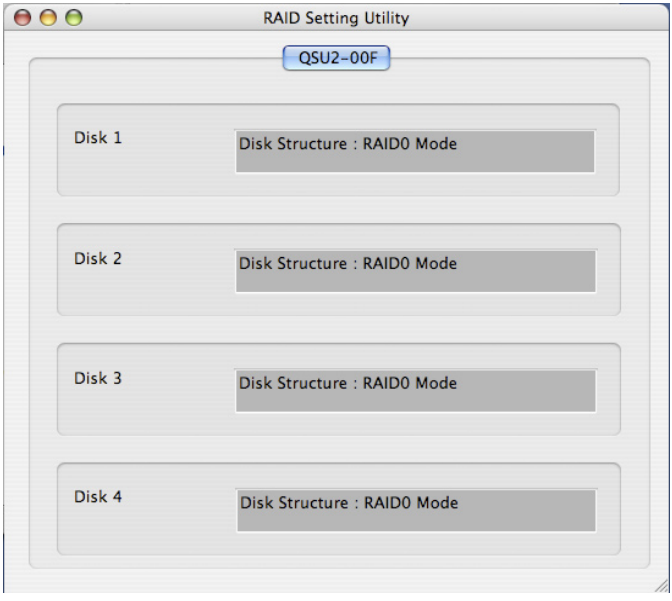
Changing the mode of the drives in your Quattro will erase all data on them! Back up any important data before using the RAID utility.

To install the RAID utility, open the *Mac* folder on your DriveNavigator CD.



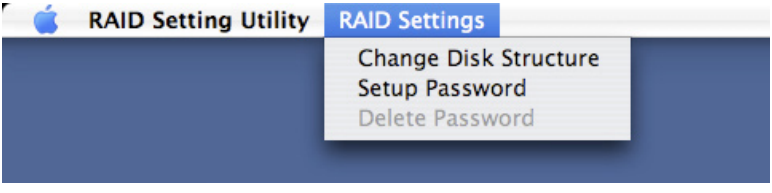
Double-click on *RaidSetting.dmg* to install the RAID utility.

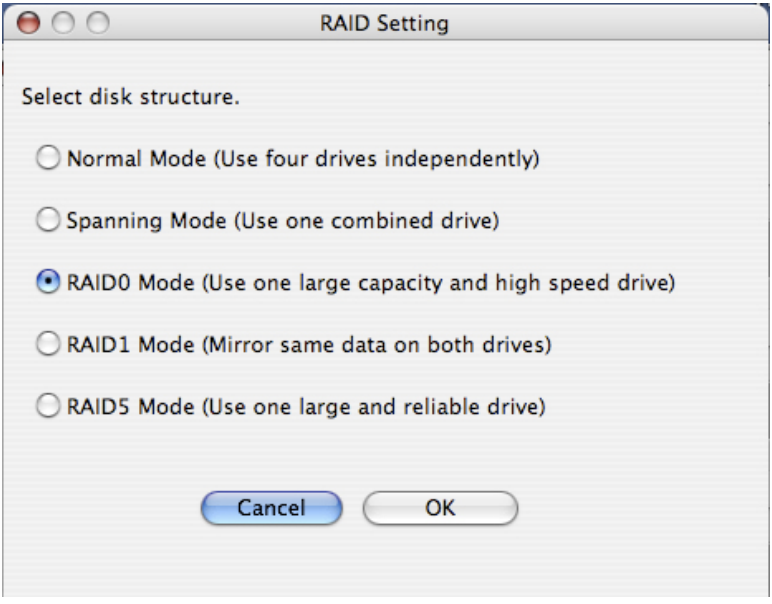
Double-click the RaidSetting icon on your desktop. Once launched, the RAID utility will briefly scan for your DriveStation Quattro. This may take a few seconds.



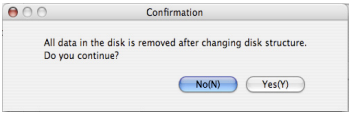
The initial screen will show your current configuration. If your Quattro is new, it will probably be in RAID 0 mode, with all four disks in one high-performance partition.

To change the RAID mode, click *RAID Settings* and choose *Change Disk Structure*.

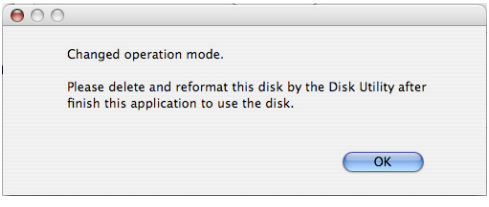



RAID Setting
Select disk structure.
Normal Mode (Use four drives independently)
Spanning Mode (Use one combined drive)
RAID0 Mode (Use one large capacity and high speed drive)
RAID1 Mode (Mirror same data on both drives)
RAID5 Mode (Use one large and reliable drive)
Cancel
OK

Select the drive structure that you'd like to use. Click OK, Yes, and Yes. Understand that this will erase any data on the drive!



After changing the RAID mode, you will need to use the Disk Utility to format the new partition.


Changed operation mode.
Please delete and reformat this disk by the Disk Utility after finish this application to use the disk.
OK

If your hard drives are in "Normal" (JBOD) mode, then the *Drive Select* button lets you choose which of the 4 separate drives will be seen as the primary drive by your PC.

If you are using a USB connection with JBOD mode, then you will still be able to see all four separate hard drives in My Computer. If you are using an eSATA interface to connect Quattro only one single drive will be active in this mode. Use the Drive Select button to chose which drive will be active in this case.

If four separate drives are not desired, use RAID 0, RAID 1, or RAID 5 instead of "Normal" (JBOD) mode. You may switch between RAID modes with the RAID utility during installation. The utility may also be installed or run from your DriveNavigator CD.

If you've changed the Quattro's RAID mode to normal (JBOD) mode with the RAID setting utility, disconnect the Quattro from the computer. Hold the *Select* button for three seconds or until the Power LED is lit orange and beeps. Click the *Select* button again to change which single drive is activated. You can see which drive is selected by its Access LED.

Here's what the LED colors mean:

Green: Selected and activated.

Orange: Not selected but activated. If you are using a USB connection the drive will still be visable in My Computer. With an eSATA connection, only the selected drive will be usable.

Off: Not selected and invisible to your PC.

If you are in a RAID mode where the four drives appear as a single drive, such as RAID 0, 1, or 5, then the Drive Select button is disabled.

Standard Compliance:	USB 2.0; eSATA
Seek Time:	Max. 11 milliseconds
Transmission Speed:	Max. 1.5 Gbps (eSATA), Max. 480 Mbps (USB 2.0)
Power Consumption:	Max. 86W
Power Supply:	AC100~120V 50/60Hz (USA and Taiwan) AC200~240V 50/60Hz (Europe and other countries)
Dimensions:	6.5" x 8.0" x 9.5" (165 x 203 x 242 mm)
Weight:	12.8 lbs. (5.8 kgs)
Operating Environment:	41 - 95° F (5 - 35° C) 20-80% humidity (non-condensing)
PC OS Compatibility:	Windows 2000, XP, Vista, Mac OS X

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note on Format

By default, the DriveStation is formatted with FAT32, allowing use with all modern operating systems. Unfortunately, FAT32 is limited to 4GB files, making it unsuitable for use with many video editing and backup software packages. If you plan to use the DriveStation with programs that generate files larger than 4GB in size, use the Mac Disk Utility to reformat your drive with a "Mac OS Extended" format.

CAUTION

⚠ DO NOT OPEN UNIT COVER.

- The equipment that you have purchased has required the extraction and use of natural resources for its production.
- The equipment may contain hazardous substances that could impact health and the environment.
- In order to avoid the dissemination of those substances in our environment and to diminish the pressure on the natural resources, we encourage you to use the appropriate take-back systems.
- The take-back systems will reuse or recycle most of the materials of your end life equipment in a sound way.
- The crossed-out wheeled bin symbol invites you to use those systems.

- If you need more information on the collection, reuse and recycling systems, please contact your local or regional waste administration.

www.buffalotech.com

USA/Canada Technical Support is available 24 hours a day, 7 days a week

Toll-Free: 866-752-6210

email: info@buffalotech.com

©2005-2007, Buffalo Technology Inc.